#2

100 m Dash

Obviously I would use this video to engage students on scatter plots. It would be a nice introduction into what information can be deducted or analyzed from a scatter plot. Maybe have the kids make a list of what different comparisons the video showed us. For example, the video compared the years, times, nationality, even locations of the different runners.

100 m Freestyle

I like the idea of using line of best fit with this video. This video shows a true prediction, one that students could relate to and wonder. It is certainly better than, “When will the cell phone bill reach $134?

Long Jump

I think this video would be a great opportunity to work with fractions. How much further did one jumper jump than the other? Or how much further would so and so have to jump to break the record?

Lesson Ideas

I would use the [mental math](https://www.youtube.com/watch?v=68S3vSGvSXU) video during the first week of school. I think that middle school students need to know the importance of mental math and strengthening your brain. Using a calculator is helpful, but you shouldn’t have to use it to do minor calculations.

This video could be used in the same way. Don’t use pencil, use your [head](https://www.youtube.com/watch?v=30X37X1uk2o).

How about a discussion about why math is [important](https://www.youtube.com/watch?v=BbX44YSsQ2I)?

#3

|  |  |  |  |
| --- | --- | --- | --- |
| LearnZillion | | Kahn Academy | |
| Pros | Cons | Pros | Cons |
| * Very organized | * Videos are dry with a weird echo | * Very organized * User friendly | * A little slow, waiting for the writing to happen |
| Links | | Links | |
| <http://learnzillion.com/lessons/220-understand-and-apply-the-definition-of-irrational-numbers>  <http://learnzillion.com/lessons/2366-determine-if-parentheses-change-the-value-of-an-expression-with-fractions-or-decimals> | | <https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-geometry/cc-8th-pythagorean-theorem/v/pythagorean-theorem>  https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-geometry/cc-8th-volume/v/volume-of-a-sphere | |

#4

Next will be videos of students interacting with manipulatives or students trying out the rich takss being used.